

CLAIMS

What is claimed is:

1. A system for storing and accessing information related to an operator administering one or more procedures in a blood component collection facility, the blood
5 component collection facility for collecting at least one blood component from a donor and comprising a blood component collection instrument capable of being adapted to the donor wherein the operator facilitates interaction of the donor with the blood component collection facility, the system comprising:
 - a blood component collection instrument;
 - 10 a system server operably connected to the blood component collection instrument, the system server comprising a memory and a blood component collection application having a code segment defining at least a portion of a blood component collection process, the blood component collection process including a blood component collection initialization procedure, an arm-prep procedure, a remove-blood-component procedure,
15 and a disconnect-blood-component-donor procedure; - a blood component collection process identifier stored in the memory on the system server and associated with a blood component donor;
 - an operator interface operably connected to the system server, the operator interface comprising a reader for entering the blood component collection process
20 identifier on the operator interface and data related to the blood component collection process;
 - a transmitter operably connected to the operator interface, the transmitter capable of transmitting information associated with the blood component collection facility to the system server for integration into the blood component collection application; and
25 a management interface operably connected to the system server, the management interface for providing access to the data related to the blood component collection process.
2. The system of Claim 1 further comprising:
30 a blood component collection kit having a blood component collection kit identifier and connectable to the blood component collection instrument.

of the blood component collection facility.

12. The system of Claim 1 wherein the reader comprises a touch pad for entering the request for information logged into the system server.

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13. The system of Claim 1 wherein the reader comprises a keypad for entering the request for information logged into the system.

14. The system of Claim 1 wherein the reader comprises an optical scanner for entering the request for information logged into the system.

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15. The system of Claim 1 wherein the reader comprises a magnetic scanner for entering the request for information logged into the system.

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16. The system of Claim 1 comprising:
a communication conduit for connecting the system server to the blood component collection instrument; and,
a communication protocol for facilitating communication on the communication conduit.

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17. The system of Claim 16 wherein the communication protocol is Ethernet.

18. The system of Claim 16 wherein the communication protocol is TCP/IP.

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19. The system of Claim 16 comprising:
a network server being operably connected to the system; and,
a web interface being operably connected to the system server for facilitating access to the system server from the network server.

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20. The system of Claim 1 wherein the operator interface includes a transmitter for transmitting the identifier associated with the blood component collection facility to the system server.

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5 a report generated by the blood component collection application and displayed via the management interface, the report for providing blood component collection facility information responsive to the operator identifier.

24. The system of Claim 1 comprising:
15 a report generated by the blood component collection application and displayed
via the management interface, the report for providing information associated to the
blood component collection process.

26. The system of Claim 1 comprising:
25 a report generated by the blood component collection application and displayed via the operator interface, the report for providing blood component collection facility information associated to the blood component collection kit.

27. A method for storing and accessing information related to an operator
30 administering one or more procedures in a blood component collection facility for
collecting at least one blood component from a donor, the blood component collection
facility comprising a blood component collection instrument capable of being operably

connected to the donor wherein the operator facilitates interaction between the donor and the blood component collection facility, the method comprising the steps of:

providing a system server being operably connected to the blood component collection instrument, the system server comprising a memory and a blood component collection application, the blood component collection application having a segment
5 defining at least a portion of a blood component collection process;

providing an operator interface being operably connected to the system server, the operator interface having a reader for entering one of a plurality of identifiers being associated with the blood component collection facility;

10 providing a transmitter being operably connected to the operator interface, the transmitter being capable of transmitting information associated with the blood component collection facility to the system server for integration into the blood component collection application;

providing an operator identifier being assigned to the operator wherein the
15 operator communicates with the system server by utilizing the operator interface to transmit the operator identifier to the system server for recording blood component collection information associated with the operator administering the blood component collection process;

providing a management interface being operably connected to the system server,
20 the management interface for providing access to blood component collection facility information;

prompting for entry of the operator identifier into the operator interface concomitant with the operator's involvement with the blood component collection facility;

25 reading the operator identifier into the operator interface;
transmitting the operator identifier to the blood component collection application;

and,

storing the operator identifier in the memory.

30 28. The method of Claim 27 further comprising:

providing a blood component collection kit having a blood component collection kit identifier;

reading the blood component collection kit identifier into the operator interface
in response to a prompt from the blood component collection process;

transmitting the blood component collection kit identifier to the system server;

storing the blood component collection kit identifier in the memory.

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29. The method of Claim 28 further comprising:

providing a communication conduit, the communication conduit for operably
connecting the blood component collection instrument, the system server and the
management interface; and,

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providing a communication protocol for facilitating communication on the
communication conduit between the blood component collection instrument, the system
server and the management interface.

30 The method of Claim 29 wherein the communication protocol is Ethernet.

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31. The method of Claim 29 wherein the communication protocol is TCP/IP.

32. The method of Claim 29 comprising:

providing a network server being operably connected to the system server; and,

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providing a web interface being operably connected to the system server for
facilitating access to the system server from the network server.

33. A method for storing and accessing information related to an operator
administering one or more procedures in a blood component collection facility for
collecting at least one blood component from a donor, the blood component collection
facility comprising a blood component collection instrument capable of being operably
connected to the donor wherein the operator facilitates interaction of the donor with the
blood component collection facility, the method comprising the steps of:

providing a system server being operably connected to the blood component
collection instrument, the system server comprising a memory and a blood component
collection application having a segment defining at least a portion of a blood component
collection process, the blood component collection process comprising:

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a blood component collection initialization procedure;
 an arm-prep procedure;
 a remove-blood-component procedure; and,
 a disconnect-blood-component-donor procedure,

5 the blood component collection process having a blood component collection process identifier being generated by the blood component collection application, the blood component collection process identifier being associated with the donor;

providing an operator interface being operably connected to the system server, the operator interface having a reader for entering one of a plurality of identifiers being
 10 associated with the blood component collection facility;

providing a transmitter being operably connected to the operator interface, the transmitter being capable of transmitting information associated with the blood component collection facility to the system server for storing;

providing an operator identifier being assigned to operator wherein the operator
 15 communicates with the system server by utilizing the operator interface to transmit the operator identifier to the system server for recording blood component collection information associated with the operator administering the blood component collection process; and,

providing a management interface being operably connected to the system server,
 20 the management interface providing blood component collection facility information.

34. The method of Claim 33 wherein the blood collection process further comprises a blood component collection instrument set-up procedure.

25 35 The method of Claim 33 further comprising:
 providing a blood component collection kit having a blood component collection kit identifier, the blood component collection kit for containing the collected blood component.

30 36. The method of Claim 33 comprising:
 providing a communication conduit for connecting the system server to the blood component collection instrument; and,

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providing a communication protocol for facilitating communication on the communication conduit.

37. The method of Claim 36 wherein the communication protocol is Ethernet.

38. The method of Claim 36 wherein the communication protocol is TCP/IP.

39. The method of Claim 36 comprising:

providing a network server being operably connected to the system server; and,

providing a web interface being operably connected to the system server for facilitating access to the system server from the network server.

40. The method of Claim 36 comprising:

transmitting the identifier associated with the blood component collection facility to the system server.

41. The method of Claim 33 comprising:

displaying a first prompt via the operator interface for requesting the blood component instrument identifier.

42. The method of Claim 33 comprising:

displaying an alarm generated by the blood component collection application and displayed via the operator interface for alerting the operator of a condition affecting the blood component collection process.

43. The method of Claim 33 comprising:

displaying an alarm generated by the blood component collection application and displayed via the operator interface for alerting the operator of a condition affecting the blood component collection instrument.

44. The method of Claim 33 comprising:

generating a report of the blood component collection facility information

received by the system server in response to an entry of the operator identifier for associating the report with the operator; and,

displaying the report via the management interface.

5 45. The method of Claim 33 comprising:

generating a report of the blood component collection facility information received by the system server in response to an entry of the blood component collection instrument identifier for associating the report with the blood component collection instrument; and,

10 displaying the report via the management interface.

46. The method of Claim 33 comprising:

generating a report of the blood component collection facility information received by the system server in response to an entry of the blood component collection process identifier for associating the report with the blood component collection process; and,

15 displaying the report via the management interface.

47. The method of Claim 33 comprising:

20 generating a report of the blood component collection facility information received by the system server in response to an entry of the donor identifier for associating the report with the donor; and

displaying the report via the management interface.

25 48. The method of Claim 35 comprising:

generating a report of the blood component collection facility information received by the system server in response to an entry of the blood component collection kit identifier for associating the report with the blood component collection kit; and

displaying the report via the management interface.

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